Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2019 08:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125147	0	2.10	125275	2.08
Blue	F	SSC	125000	124392	-1	1.80	125239	1.79
Blue	E	FITC	16433	16078	-3	2.70	351	19.47
Blue	D	PE	27595	27352	-1	1.89	598	14.42
Blue	B	PerCP-Cy5-5	43183	42765	-1	3.62	1148	19.83
Blue	A	PE-Cy7	31943	31516	-2	5.91	602	39.27
Red	C	APC	42819	42472	-1	2.43	1504	11.87
Red	A	APC-Cy7	31261	30149	-4	2.31	802	11.68
Violet	B	V450	6527	6395	-3	4.37	357	13.40
Violet	A	V500	24533	23525	-5	4.04	548	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17797	10.07	612	12	N/A	N/A	Pass
Blue	F	SSC	56617	1.26	553	5	N/A	N/A	Pass
Blue	E	FITC	64	62.06	539	0	0.0211	111	Pass
Blue	D	PE	125	47.66	536	2	0.1629	238	Pass
Blue	B	PerCP-Cy5-5	211	48.03	648	6	0.0095	39	Pass
Blue	A	PE-Cy7	113	95.59	694	5	0.0117	12	Pass
Red	C	APC	357	25.20	579	-4	0.0260	204	Pass
Red	A	APC-Cy7	176	28.05	557	-6	0.0058	885	Pass
Violet	B	V450	55	59.30	450	-5	0.0477	1908	Pass
Violet	A	V500	82	34.35	460	-7	0.0223	823	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.47	-32.00	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.12	13.60 - 20.40	N/A	N/A	29.54	29.95	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10749

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments